

**SYSTEM AND METHOD FOR PREINTEGRATION OF UPDATES TO AN  
OPERATING SYSTEM**

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**ABSTRACT OF THE DISCLOSURE**

15 An operating system has security updates preintegrated to reduce vulnerability  
of the operating system to malicious programs, such as worms. Preintegration writes  
update files over corresponding operating system files before boot of the operating  
system so that malicious programs are not provided an opportunity to attack the  
operating system during a post-boot security update. An update package extracts  
update files, such as QFE files, and prepares the update files within a file and  
directory structure corresponding to the operating system. An overwrite engine  
running on an alternative operating system writes the update files to the operating  
20 system so that the operating system boots secure from attack by worms that the  
updates are intended to prevent.